

FEATURES

92.1% AFUE

Heating input range 50,000 – 125,000 BTUH

Cooling capacity supported 1 1/2 - 5 ton

Upflow/horizontal-left application flexibility

Electronic air cleaner connection (115V)

Humidifier connection (115V)

Fused low voltage circuit protection

Time delay for air conditioner SEER enhancement

Field Selectable low fire run time

WARRANTY

Limited lifetime warranty on heat exchanger, 5-year limited warranty on covered components (see warranty certificate for details)

Extended Parts & Labor warranty available

HEAT EXCHANGER ASSEMBLY

Crimp-Tite™ crimped aluminized steel primary heat exchanger for longer life and safe operation

Stainless steel secondary heat exchanger maximizes durability and efficiency

VENTING

Category IV appliance

Can be vented horizontally or vertically using 2" or 3" Schedule 40 PVC, ABS, or CPVC (see installation manual for details)

Approved for 2-pipe (direct vent) or single-pipe applications

Approved for installations with listed concentric vent kit

CONTROLS

Integrated furnace control and 2-Stage gas control system with LED diagnostics for fast, accurate troubleshooting

SAFETY

CSA certified for US and Canada

Safety limit prevents overheating

CABINET

Heavy-gauge, insulated cabinet provides strength and quiet comfort

Ducane diagnostic sleeve for fast, safe troubleshooting

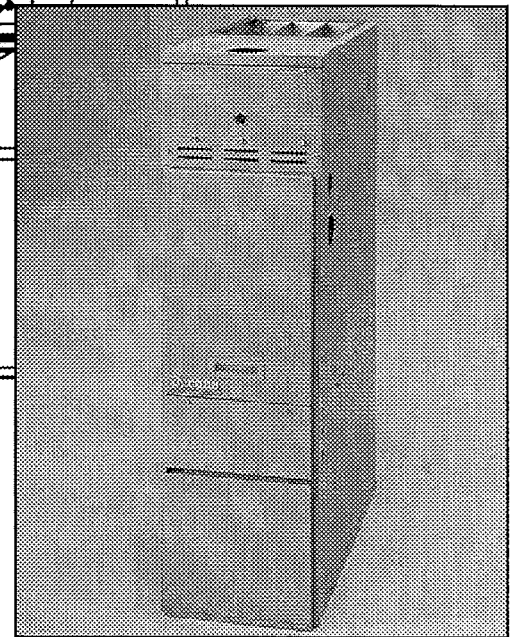
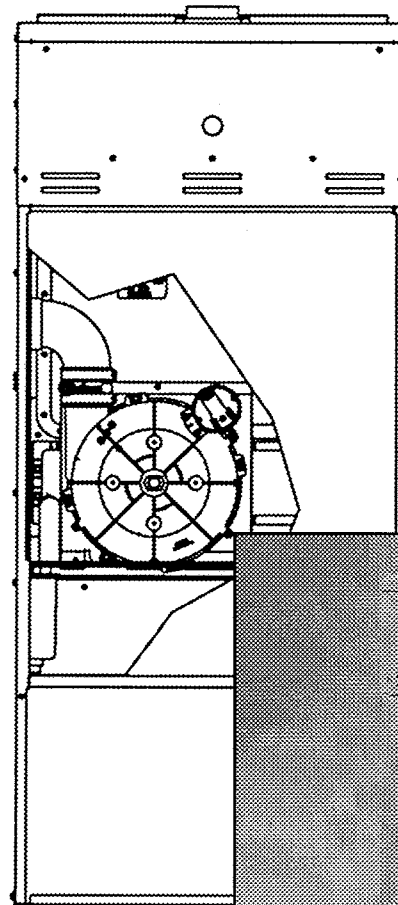
INDOOR AIR BLOWER

GE ECU variable speed motor with adjustable air flow in 200 CFM increments. Motor maintains a constant CFM when heavily loaded with duct or filter static

Ducane Gas Furnace

FITS-ALL 92V

UPFLOW/HORIZONTAL-LEFT



Ducane
AIR CONDITIONING
AND HEATING

THE DIFFERENCE IS QUALITY.™

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Ducane Gas Furnace

FITS-ALL 92V

UNIT SPECIFICATIONS

	CMPEV050U3	CMPEV075U3
GAS	NATURAL (LP WITH CONVERSION KIT)	
INPUT RATE (BTU per Hour) MAX/MIN	50,000/40,000	75,000/60,000
HEATING CAPACITY	46,000	70,000
AFUE (ISOLATED COMB. SYSTEM)	92.1%	
TEMPERATURE RISE	50°F	55°F
VOLTS/PHASE/HERTZ	120/1/60	
STATIC PRESSURE (certified max)	0.50"W.C.	
BLOWER MOTOR HORSEPOWER	1/2	1/2
BLOWER WHEEL SIZE (dia x width)	10 x 6	
NUMBER OF HEAT EXCHANGERS	2	3
FLUE AND AIR INLET PIPE-CONNECTION (schedule 40 PVC, ABS or CPVC used on all)	2"	
LIMIT CONTROL, SNAP DISC STYLE	170°F	170°F
GAS VALVE/IGNITION CONTROL	2-STAGE GAS VALVE/INTEGRATED FURNACE CONTROL W/ ECM VARIABLE SPEED BLOWER MOTOR	
TRANSFORMER	40 VA. 115 VAC PRIMARY, 24 VAC SECONDARY, FOOT-MOUNTED	
MAXIMUM OUTLET TEMPERATURE	180°F	
SHIPPING WEIGHTS	152	158
	CMPEV100U4	CMPEV125U5
GAS	NATURAL (LP WITH CONVERSION KIT)	
INPUT RATE (BTU per Hour) MAX/MIN	100,000/80,000	125,000/100,000
HEATING CAPACITY	93,000	116,000
AFUE (ISOLATED COMB. SYSTEM)	92.1%	
TEMPERATURE RISE	55°F	55°F
VOLTS/PHASE/HERTZ	120/1/60	
STATIC PRESSURE (certified max)	0.50"W.C.	
BLOWER MOTOR HORSEPOWER	3/4	1
BLOWER WHEEL SIZE (dia x width)	12 x 9	12 x 12
NUMBER OF HEAT EXCHANGERS	4	5
FLUE AND AIR INLET PIPE-CONNECTION (schedule 40 PVC, ABS or CPVC used on all)	2"	
LIMIT CONTROL, SNAP DISC STYLE	170°F	
GAS VALVE/IGNITION CONTROL	2-STAGE GAS VALVE/INTEGRATED FURNACE CONTROL W/ ECM VARIABLE SPEED BLOWER MOTOR	
TRANSFORMER	40 VA. 115 VAC PRIMARY, 24 VAC SECONDARY, FOOT-MOUNTED	
MAXIMUM OUTLET TEMPERATURE	180°F	
SHIPPING WEIGHTS	187	217

NOTES: **U**=Upflow (CMPEV050U3)

AIR FLOW DATA

MODEL NUMBER	HEATING CFM	ADJUSTMENT	COOLING CFM @ .50 STATIC			
			SETTING "A"	SETTING "B"	SETTING "C"	SETTING "D"
CMPEV050U3 <i>10 X 6 WHEEL 1/2 HP MOTOR</i>	LOW FIRE 600 HIGH FIRE 775	NORM (+) (-)	1200 1380 1020	1000 1150 850	800 920 680	600 690 510
CMPEV075U3 <i>10 X 6 WHEEL 1/2 HP MOTOR</i>	LOW FIRE 1000 HIGH FIRE 1230	NORM (+) (-)	1200 1380 1020	1000 1150 850	800 920 680	600 690 510
CMPEV100U4 <i>12 X 9 WHEEL 3/4 HP MOTOR</i>	LOW FIRE 1240 HIGH FIRE 1550	NORM (+) (-)	1600 1800 1360	1400 1610 1190	1200 1380 1020	1000 1150 850
CMPEV125U3B <i>12 X 12 WHEEL 1 HP MOTOR</i>	LOW FIRE 1250 HIGH FIRE 1940	NORM (+) (-)	2000 2200 1700	1800 2070 1700	1600 1840 1360	1400 1610 1190

NOTES: 1) Air flow values in cubic feet per minute (CFM), 2) Data taken without filters or AC evaporator coil in place

MAXIMUM VENT LENGTHS

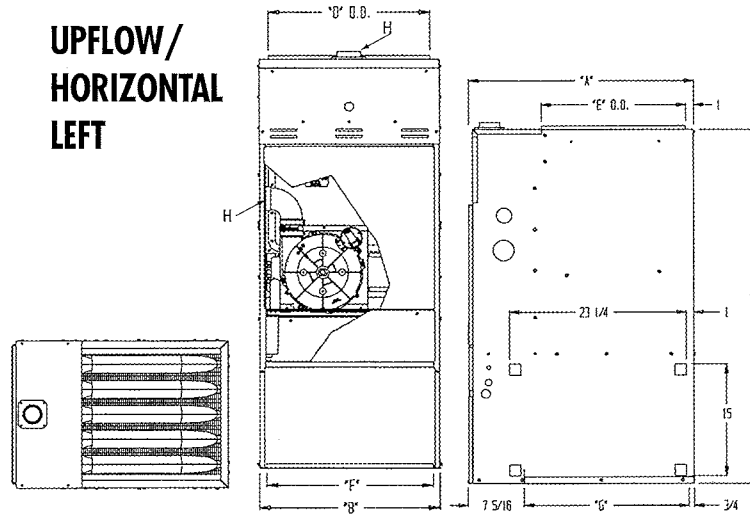
APPLICATION	Allowable Max Vent Lengths of 2" Dia. PVC, ABS or CPVC SCH 40 PIPE					
	Number of elbows	1	2	3	4	5
Non-direct Vent (1 Pipe) System <i>CMPEV050U3 CMPEV075U3</i>		60	58	55	53	50
Direct Vent (2 Pipe) System <i>CMPEV050U3 CMPEV075U3</i>		60	58	55	53	50
Non-direct Vent (1 Pipe) System <i>CMPEV100U4 UPFLOW ONLY</i>		35	30	24	18	12
Non-direct Vent (1 Pipe) System <i>CMPEV100U4 HORIZONTAL ONLY</i>		20	15	9	4	----
Direct Vent (2 Pipe) System <i>CMPEV125U5 UPFLOW OR HORIZONTAL</i>		20	15	9	4	----

APPLICATION	Allowable Max Vent Lengths of 3" Dia. PVC, ABS or CPVC SCH 40 PIPE					
	Number of elbows	1	2	3	4	5
Non-direct Vent (1 Pipe) System <i>CMPEV050U3 CMPEV075U3</i>		80	76	73	70	65
Non-direct Vent (1 Pipe) System <i>CMPEV100U4 CMPEV125U5</i>		65	61	58	55	50
Direct Vent (2 Pipe) System <i>CMPEV050U3 CMPEV075U3</i>		80	76	73	70	65
Direct Vent (2 Pipe) System <i>CMPEV100U4 CMPEV125U5</i>		65	61	58	55	50

GENERAL LAYOUT

MODEL NUMBER	UNIT DIMENSIONS			SUPPLY DUCT OPENING		RETURN DUCT OPENING		VENT & AIR CONNECTIONS
	LENGTH	WIDTH	HEIGHT	D	E	F	G	H
CMPEV050U3	29-1/2	13-1/2	47-3/8	11-1/2	18-15/16	12	21-5/8	2
CMPEV075U3	29-1/2	13-1/2	47-3/8	11-1/2	18-15/16	12	21-5/8	2
CMPEV100U4	29-1/2	17	47-3/8	15	18-15/16	15-1/2	21-5/8	2
CMPEV125U5	29-1/2	20-1/2	47-3/8	18-1/2	18-15/16	19	21-5/8	2

* NOTE: dimensions are in inches



ACCESSORIES

	CMPEV050U3	CMPEV075U3
NATURAL TO LP GAS CONVERSION KIT		20285501
LP TO NATURAL GAS CONVERSION KIT		20285601
FILTER RACK KIT		20069901
CON. 2" DIA. VENT TERM. KIT (UPFLOW)		20280901
CON. 3" DIA. VENT TERM. KIT (UPFLOW)		20280902
	CMPEV100U4	CMPEV125U5
NATURAL TO LP GAS CONVERSION KIT		20285501
LP TO NATURAL GAS CONVERSION KIT		20285601
FILTER RACK KIT	20069901	20069902
CON. 2" DIA. VENT TERM. KIT (UPFLOW)		20280901
CON. 3" DIA. VENT TERM. KIT (UPFLOW)		20280902



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 AIR CONDITIONING
 AND HEATING
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For more information, contact your local Ducone distributor.

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